

CLAIMS

What is claimed is:

- 1 1. A method to systematically analyze a next generation telecommunications network to
2 result in creating a provisioning plan and procedures for provisioning the network to
3 provide services for one or more subscribers, the method comprising the steps of:
4 creating and storing information that represents a logical decomposition of the next
5 generation network into a plurality of discrete functional areas;
6 analyzing the information representing the functional areas to identify one or more
7 provisioning requirements for each of the functional areas;
8 defining one or more provisioning procedures and identifying one or more required
9 provisioning tools for each of the functional areas, based on the provisioning
10 requirements; and
11 creating and storing a sequence of execution of the procedures and tools as the
12 provisioning plan.
- 1 2. A method as recited in Claim 1, wherein the steps of creating and storing information
2 that represents a logical decomposition of the next generation network into a plurality
3 of discrete functional areas further comprise the steps of logically partitioning the next
4 generation network into a subscriber customer premises equipment area, an access
5 network and core network area, and a switch and other processors area.
- 1 3. A method as recited in Claim 2, wherein the step of logically partitioning the next
2 generation network comprises the steps of determining one or more boundaries of the
3 discrete functional areas based on classifying devices according to functions
4 performed by the devices in delivering network services.

1 4. A method as recited in Claim 1, wherein the step of analyzing the information
2 representing the functional areas comprises the steps of identifying one or more
3 network devices that are involved in each of the functional areas, and for each of the
4 identified devices, determining a setup that is required to enable the identified devices
5 to inter-communicate to provide the services to the subscribers.

1 5. A method to systematically analyze a next generation telecommunications network to
2 result in creating a provisioning plan and procedures for provisioning the network to
3 provide services for one or more subscribers, the method comprising the steps of:
4 creating and storing information that represents a logical decomposition of the next
5 generation network into a plurality of discrete functional areas, by logically
6 partitioning the next generation network into a subscriber customer premises
7 equipment area, an access network and core network area, and a switch and
8 other processors area;
9 analyzing the information representing the functional areas to identify one or more
10 provisioning requirements for each of the functional areas, by identifying one
11 or more network devices that are involved in each of the functional areas, and
12 for each of the identified devices, determining a setup that is required to
13 enable the identified devices to inter-communicate to provide the services to
14 the subscribers;
15 defining one or more provisioning procedures and identifying one or more required
16 provisioning tools for each of the functional areas, based on the provisioning
17 requirements; and
18 creating and storing a sequence of execution of the procedures and tools as the
19 provisioning plan.

1 6. A method as recited in Claim 5, wherein the step of logically partitioning the next
2 generation network comprises the steps of determining one or more boundaries of the
3 discrete functional areas based on classifying devices according to functions
4 performed by the devices in delivering network services.